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**CERTIFICATE OF FACSIMILE TRANSMISSION  
UNDER 37 CFR §1.8**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being transmitted on the date indicated below via facsimile to the United States Patent and Trademark Office, facsimile number (571)-273-8300.

Date: April 26, 2006


Mary N. Kilgore  
Mary N. Kilgore

In re application of:      **Penk et al.**      Confirmation No.:      3301  
U.S. Serial Number:      **09/976,604**      Art Unit:      **2143**  
Filing Date:      **10-12-2001**      Examiner:      **England, David E.**  
Our Reference Number:      **A-6727 (191910-1800)**  
Title:      **Mechanism for Implementing Network Discovery in a Cable Network**

**Amendment Transmittal  
Response to Non-Final Office Action**

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<b>AMENDMENT TRANSMITTAL LETTER (LARGE)</b>				Docket No. <b>A-6727 (191910-1800)</b>	
Applicant(s): <b>Penk et al.</b>					
Serial No. <b>09/976,604</b>	Filing Date <b>October 12, 2001</b>	Examiner <b>England, David E.</b>	Confirmation No. <b>3301</b>	Group Art Unit <b>2143</b>	
Invention: <b>Mechanism for Implementing Network Discovery in a Cable Network</b>					
<b>Commissioner for Patents</b> <b>Mall Stop Amendment</b> <b>P.O. Box 1450</b> <b>Alexandria VA 22313-1450</b>					
Transmitted herewith is Response to Non-Final Office Action in the above-identified application.					
The fee has been calculated and is transmitted as shown below					
<b>CLAIMS AS AMENDED</b>					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
<b>TOTAL CLAIMS</b>	<b>41 -</b>	<b>43 =</b>	<b>0</b>	<b>X \$50.00</b>	<b>\$0.00</b>
<b>INDEP. CLAIMS</b>	<b>5 -</b>	<b>5 =</b>	<b>0</b>	<b>X \$200.00</b>	<b>\$0.00</b>
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>				<b>\$360.00</b>	<b>\$</b>
<b>EXTENSION FEE</b>	<b>1<sup>ST</sup> MONTH <input type="checkbox"/></b> <b>\$60.00</b>	<b>2<sup>ND</sup> MONTH <input type="checkbox"/></b> <b>\$225.00</b>	<b>3<sup>RD</sup> MONTH <input type="checkbox"/></b> <b>\$510.00</b>	<b>4<sup>TH</sup> MONTH <input type="checkbox"/></b> <b>\$795.00</b>	<b>\$</b>
Other Fees:					<b>\$</b>
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>
<input checked="" type="checkbox"/> No additional fee is required. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____. A duplicate copy of this page is enclosed. <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input type="checkbox"/> A Credit Card Payment Form PTO-2038 is attached in the amount of \$ _____. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any deficiencies of the above fees or credit any overpayment to Deposit Account No. 20-0778.					
 _____ <b>Jeffrey R. Kuester, Reg. No. 34,367</b>			_____ <b>4-26-06</b> Date		

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No.:	09/976,604	Art Unit:	2143
Applicants:	Penk et al.	Examiner:	England, David E.
Filed:	October 12, 2001	Confirmation No.:	3301
Title:	MECHANISM FOR IMPLEMENTING NETWORK DISCOVERY IN A CABLE NETWORK	Docket No.:	A-6727 (191910-1800)

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NON-FINAL OFFICE ACTION**

Sir:

The outstanding non-final Office Action mailed *January 26, 2006* has been carefully considered. In response thereto, please enter and consider the following:

- 1) *Amendments to the Specification* (starting on p. 2 of this document);
- 2) *Amendments to the Claims* (starting on p. 7 of this document); and
- 3) *Remarks* (starting on p. 16 of this document).

Reconsideration and allowance of the application and presently pending claims, as amended, are respectfully requested.

**AUTHORIZATION TO DEBIT ACCOUNT**

It is believed that no extensions of time or fees for net addition of claims are required, beyond those which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to deposit account no. 20-0778.